U.S. AIR FORCE

Air Force Contracting e-Business Training Workshop
18-20 November 2003

An Overview of: Enterprise Architecture for Procurement
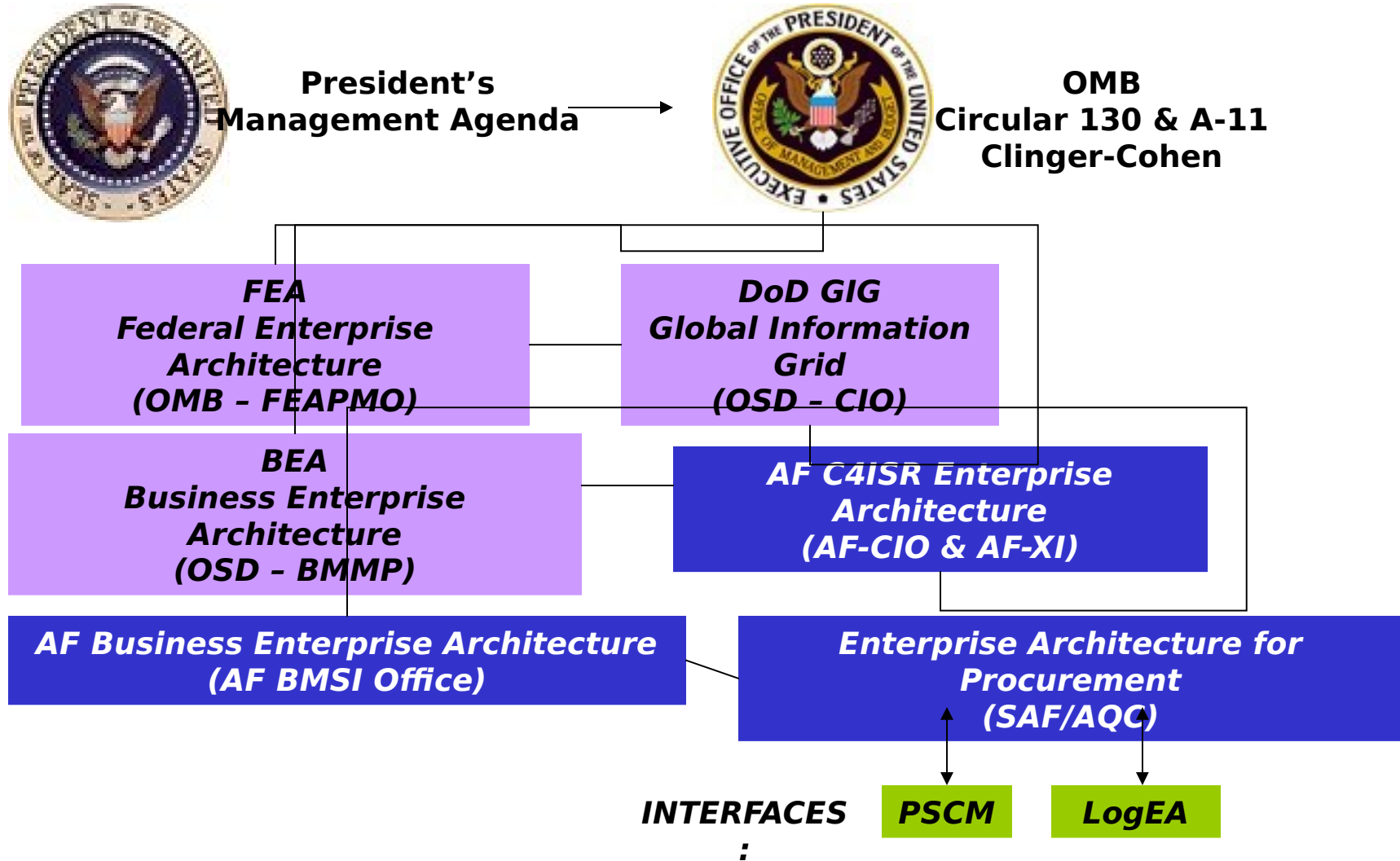
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Enterprise Architecture Hierarchy

President's Management Agenda

OMB Circular 130 & A-11 Clinger-Cohen

FEA Federal Enterprise Architecture (OMB – FEAPMO)

DoD GIG Global Information Grid (OSD – CIO)

BEA Business Enterprise Architecture (OSD – BMMP)

AF C4ISR Enterprise Architecture (AF-CIO & AF-XI)

AF Business Enterprise Architecture (AF BMSI Office)

Enterprise Architecture for Procurement (SAF/AQC)

INTERFACES:

PSCM

LogEA

Executive Directive

Presidential Memo on the Importance of E-Government, 10-Jul-02

"My administration's vision for Government reform is guided by three principles. Government should be citizen-centered, results-oriented, and market-based. These principles have been woven into the five Government-wide reform goals outlined in my Administration's Management Agenda: strategic management of human capital, budget and performance integration, competitive sourcing, expanded use of the internet and computer resources to provide Government services (Electronic-Government or E-Government), and improved financial management. Effective implementation of E-Government is important in making Government more responsive and cost effective….."

George W. Bush

Federal Enterprise Architecture

**FEA
Federal Enterprise
Architecture**

The FEA is a business and performance-based framework to support cross-agency collaboration, transformation, and government-wide improvement. It provides OMB and the Federal agencies with a new way of describing, analyzing, and improving the Federal Government and its ability to serve the citizen.

DoD Definition of Enterprise Architecture:

"The fundamental organization of a system embodied in its components, their relationship to each other and to the environment, and the principles guiding its design and evolution."

I n t e g r i t y ... S e r v i c e ... E

Business Management Modernization Program

**BEA
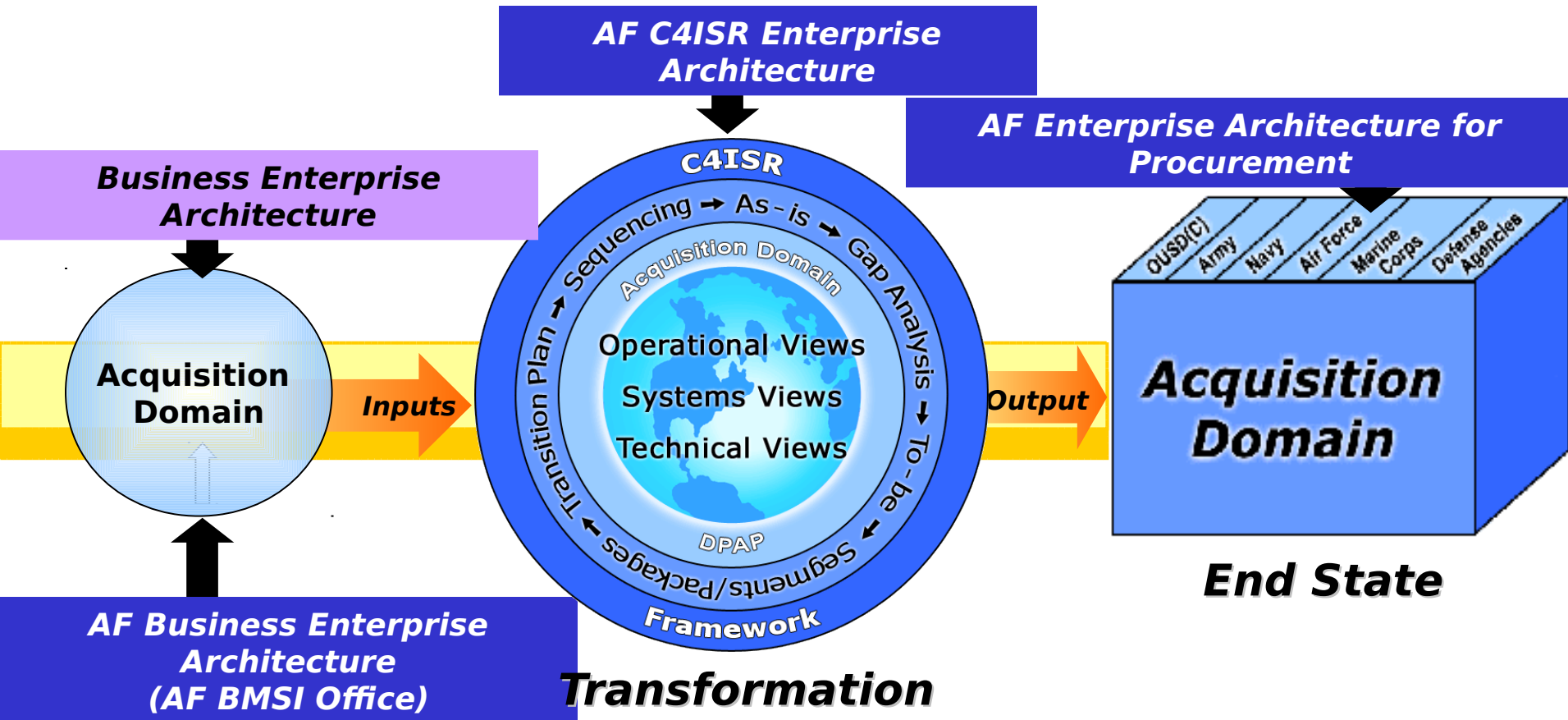Business Enterprise
Architecture
(OSD — BMMP)**

The Department of Defense's (DoD) Business Enterprise Architecture (BEA) is a high-level blueprint to guide the transformation of DoD. It demonstrates the design and development of business capabilities by linking business needs to business capabilities and tracing business strategies to systems solutions.

The AF BMSI Office provides policy, direction, and integration for AF business enterprise solutions and serves as the focal point for business management modernization to all external organizations.

DoD Acquisition Domain Architecture

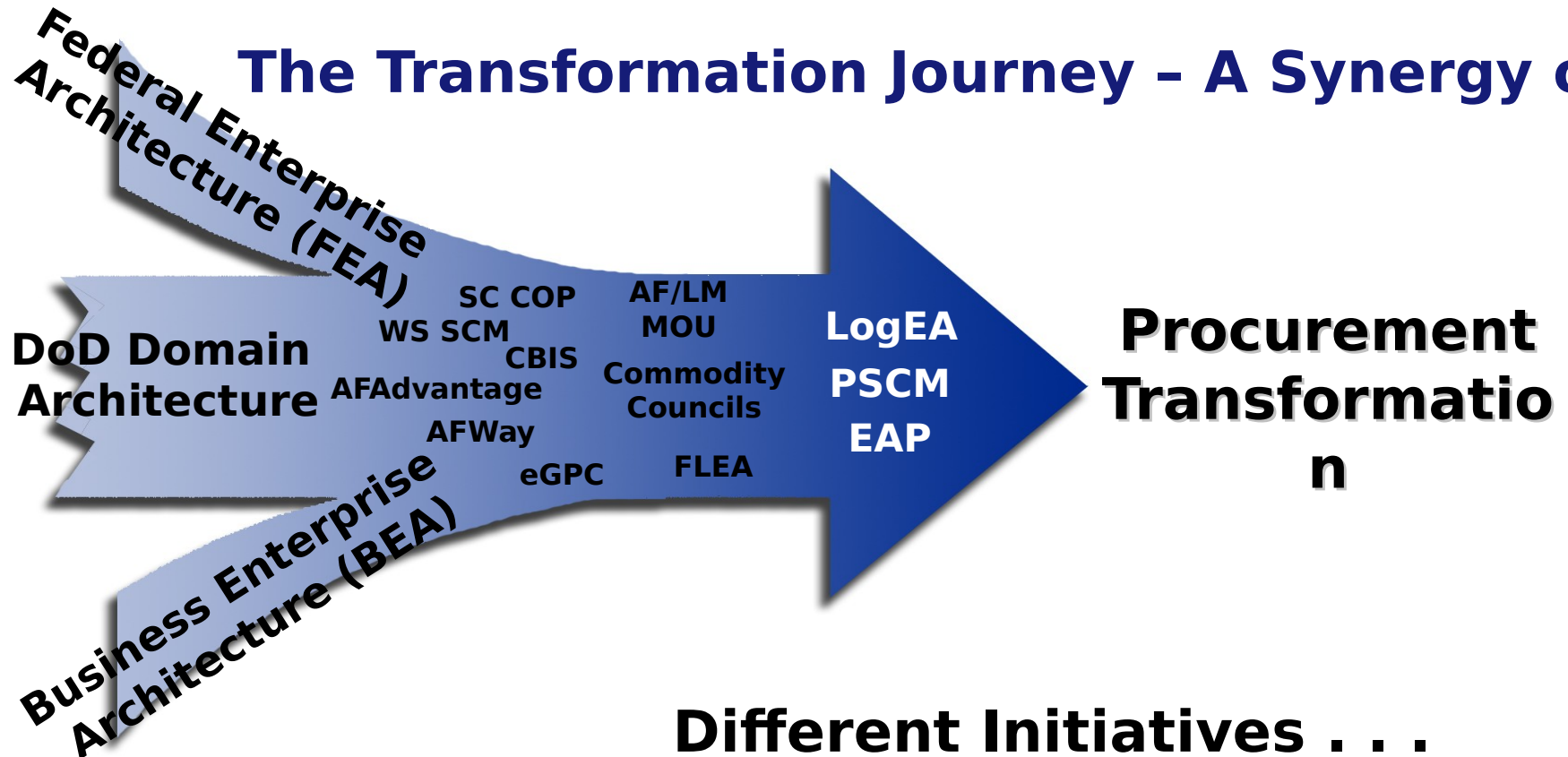**AF C4ISR Enterprise Architecture**

AF Enterprise Architecture for Procurement

Business Enterprise Architecture

Acquisition Domain

Inputs

C4ISR

Sequencing → As - is → Gap Analysis
Acquisition Domain
Operational Views
Systems Views
Technical Views
Transition Plan
To - be
Segments/Packages
DPAP
Framework

Output

OUSD(C) | Army | Navy | Air Force | Marine Corps | Defense Agencies

Acquisition Domain

End State

AF Business Enterprise Architecture (AF BMSI Office)

Transformation

Building the Air Force Enterprise

U.S. AIR FORCE

The Transformation Journey – A Synergy of I

Federal Enterprise Architecture (FEA)

DoD Domain Architecture

Business Enterprise Architecture (BEA)

SC COP
WS SCM
CBIS
AFAdvantage
AFWay
eGPC

AF/LM MOU
Commodity Councils
FLEA

LogEA
PSCM
EAP

Procurement Transformation

Different Initiatives . . . Different Audiences . . . But Shared Objectives
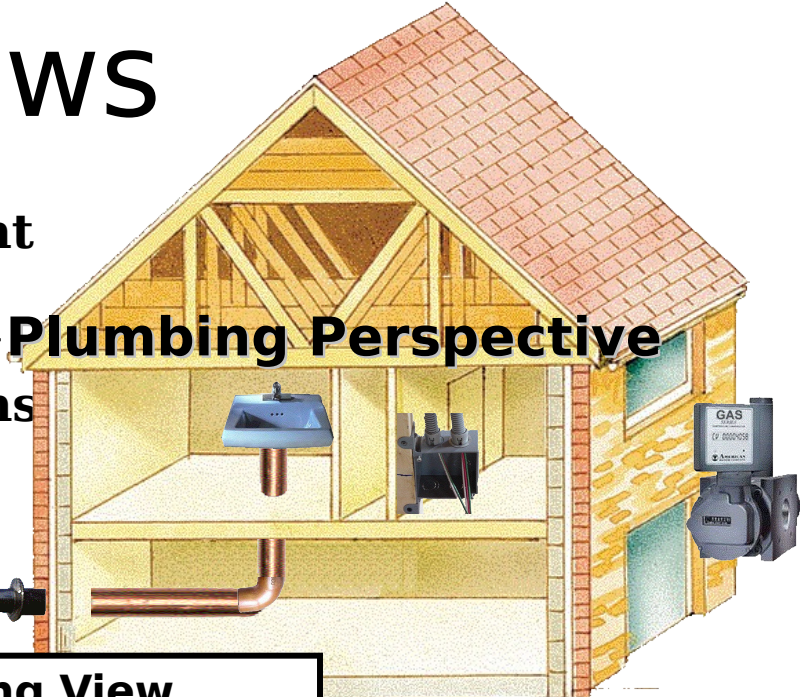
An Architecture has Multiple Views

A view represents the whole system from a particular viewpoint

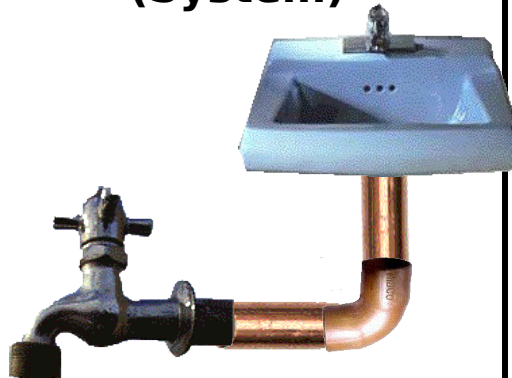**Reduces perceived complexity through separation of concerns**

Plumbing Perspective

Family Usage (Operational)

Plumbing View (System)

Plumbing Code (Technical)

Develop Enterprise Architecture

- Operational Architecture (OA)
  - Policy (Constraints / Requirements)
  - Processes (Organization)
  - People (Resources)
- Systems Architecture (SA)
  - Mapping of Systems to OA
  - Enabling Technology
  - COTS and Legacy
  - Data Layer
- Technical Architecture
  - Federal Enterprise Architecture Standard
  - DoD Enterprise Architecture Standard
  - Air Force JTA Standard
- Transition Plan (TP)
  - Courses of Action (COAs)
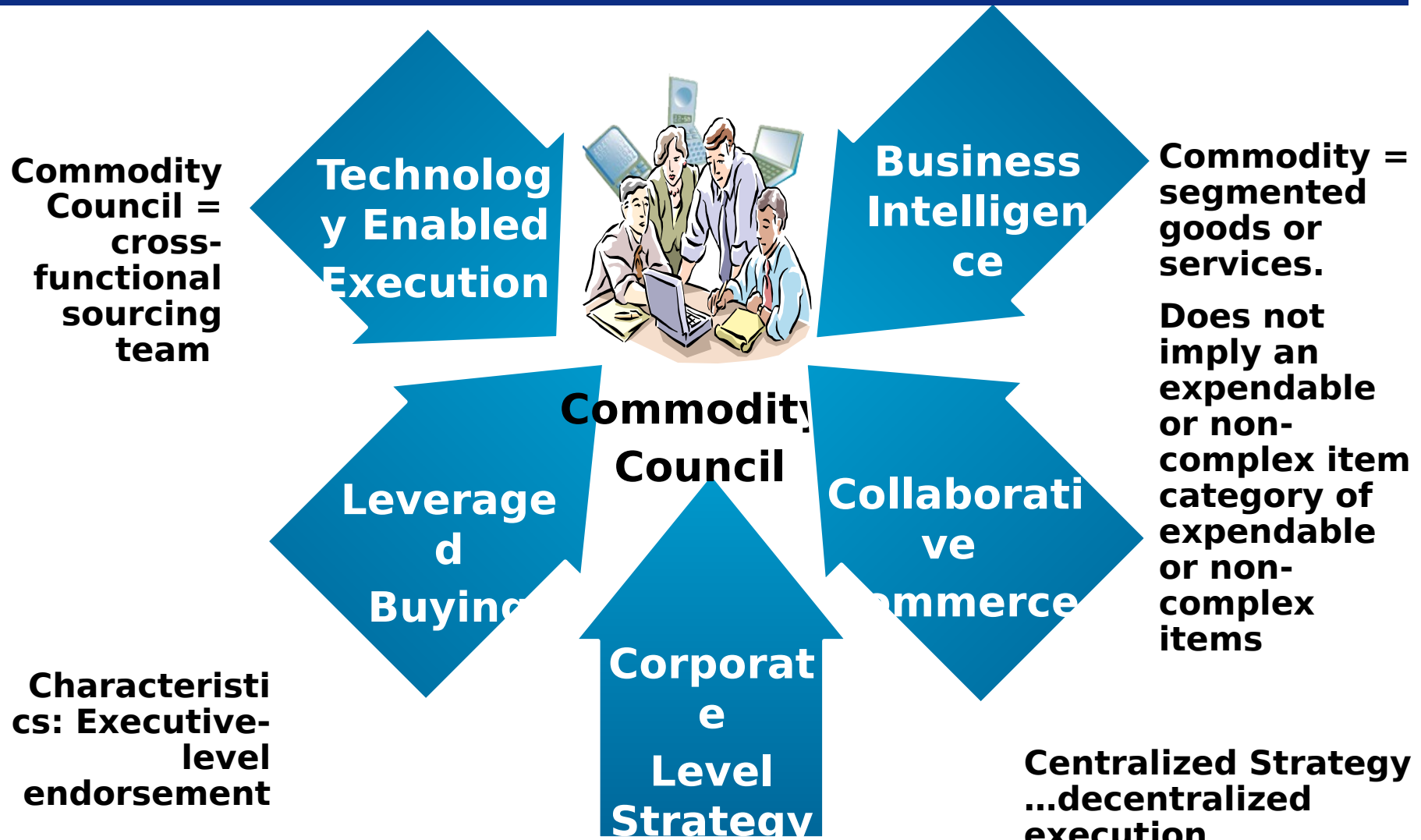 - Implementation Governance
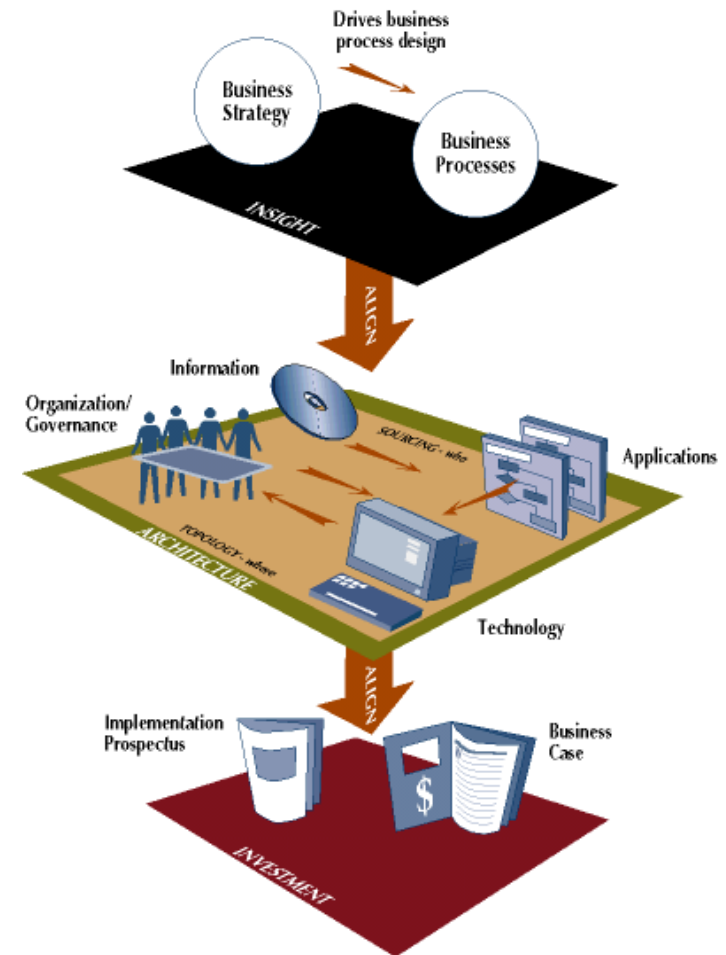
Completed **In Process**

Commodity Council = cross-functional sourcing team

Technology Enabled Execution

Business Intelligence

Commodity = segmented goods or services.

Does not imply an expendable or non-complex item category of expendable or non-complex items

Commodity Council

Leveraged Buying

Collaborative Commerce

Corporate Level Strategy

Characteristics: Executive-level endorsement

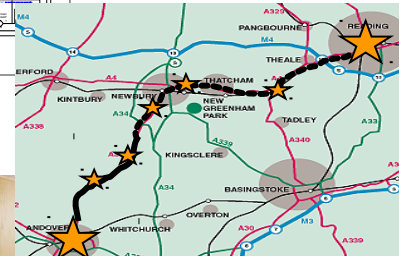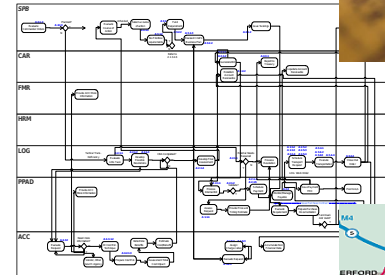**Centralized Strategy …decentralized execution**

Back Up Slides

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DoD Approach

- The vision is realized through the development of an *enterprise architecture*, a list of business, technical and systems requirements that create a "blueprint" for building and connecting new and existing processes and systems

- End-to-end *business scenarios* have been designed to provide functional business process validation

- A *transition plan* lays out the key high level tasks which must be accomplished to implement the architecture

- Activities, business rules and requirements in the architecture have been grouped by business area, or *domain*

- Domain leaders will lead the *transformation* and coordinate the implementation of changes consistent with the architecture in partnership with BMSI and in accordance with the established governance model

What's Different?

Deliverables

- **Demand Plan**
- **Cost Estimate**
- **Approved Spend Plan**

- Advance forecasting to get in FRONT of AF-wide requirements

Review Current Strategy → **Evaluate / Assess Current Market** → **Forecast Future Demands** → **Create Future Strategy**

Key Stakeholders

Monitor and Continuously Improve ← **Rollout Strategy** ← **Establish Contractual Instruments** ← **Approve Strategy**

Deliverables

- **Commodity Acquisition Management Plan**

- AF-wide commodity strategy

Deliverables

- **Master agreements**

- GOAL: 98% of AF procurement transactions completed in a web-enabled environment